

FRAGMENT

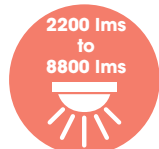


Fragment is a statement luminaire that brings character to plazas, streetscapes, and pedestrian areas. It has a sculptural, lampshade-inspired form, made from a conical stainless steel dome, a UV-treated polycarbonate diffuser, and an aluminum body and base.

A 16 to 32 LED module offers a choice of color temperatures and photometric distributions. The luminaire is rated IP66 and IK10 for outdoor durability, and Zhaga-standard sockets support smart lighting controls.

The dome's polygonal patterns can be customized to give a city or development its own visual identity. They can be colored and backlit in a fixed color or with dynamic RGBW lighting, which turns the luminaire into an architectural feature after dark.

Fragment can be mounted on top of a pole or suspended from the dedicated Fragment bracket, which comes in single- or twin-light configurations.



- ▶ Tall or Short Heights Available
- ▶ Custom Dome Designs Available
- ▶ Optional Dome Backlighting
- ▶ Post-Top or Suspended Mounting

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SPECIFICATIONS

Physical

Material	Die-Cast Aluminum Body; Stainless Steel Dome
Lens	Polycarbonate
Mounting	ø2⅜” Post-Top or Suspended via Top-Mounted 1” Male BSP Fitting
Weight	Tall: 44 Pounds; Short: 35.3 Pounds
Luminaire EPA	Tall: 2.37 ft²; Short: 1.98 ft²
Ingress Protection	IP66
Impact Resistance	IK10

Electrical

Power Consumption	From 18 to 67 Watts
LED Voltage	Standard Input Voltage from 120-277 Volts or High Input Voltage from 347-480 Volts
Control	Integral LED Driver and Control System: On/Off or 0-10v Dimming Standard; Custom Control Systems Available on Request
Electrical Class	I and II
Operating Temperature	-40° F to 95° F
Surge Suppression	Optional Surge Suppressor; Standard Electrical Shock Resistance of 6/10 kV (diff/comm)
Cord	Prewired 20’

Photometrics

LEDs	16, 24, or 32 LEDs
Optics	Type 1, 2, 3, 4, or 5 Optical Distributions
CCT	3000K and 4000K Standard. 2200K, 2700K and 5700K are available upon request.
Delivered Lumen Output	From 2231 to 8804 Delivered Lumens
Efficacy (lumens per watt)	From 114 to 137 Lumens per Watt
Lumen Maintenance	L90 B10 > 100,000 Hours
Dome Illumination Options	Dome may be backlit with or without a colored film. Backlight may be RGBW or Static White, and film may be green (RAL 6018), blue (RAL 5012), or red (RAL 3020); other film colors are available on request.

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Certifications

NRTL	Luminaire is certified to North American safety standards and requirements by nationally recognized testing laboratories.
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Light Distributions

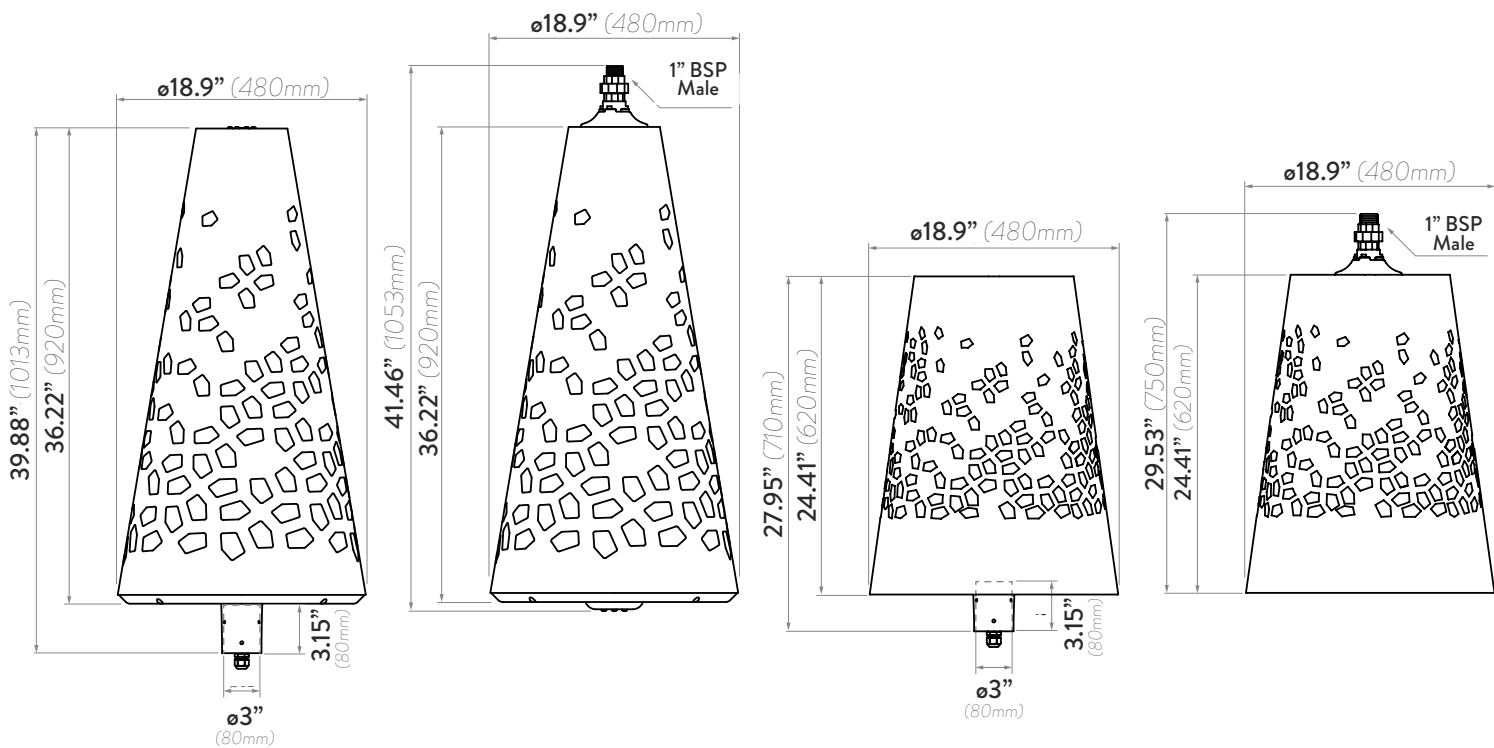
# of LEDs	CCT	Optic	350 mA				500 mA				700 mA			
			Lumens	Watts	Candela	B-U-G	Lumens	Watts	Candela	B-U-G	Lumens	Watts	Candela	B-U-G
16 LEDs	3000K	T1	2411	18	1934	1-2-1	3505	26	2811	2-2-2	4710	36	3777	2-2-2
		T2	2406	18	2013	1-0-1	3498	26	2926	1-0-1	4700	36	3932	1-0-1
		T3	2408	18	1515	1-0-1	3501	26	2202	1-0-1	4704	36	2959	1-0-1
		T4	2407	18	1378	1-0-1	3499	26	2003	1-0-1	4705	36	2205	1-2-1
		T5	2405	18	828	2-2-1	3497	26	1203	2-2-1	4699	36	1617	2-2-1
	4000K	T1	2237	18	1794	1-2-1	3070	26	2462	2-2-2	4111	36	3297	2-2-2
		T2	2232	18	1868	1-0-1	3064	26	2563	1-0-1	4102	36	3432	1-0-1
		T3	2234	18	1406	1-0-1	3066	26	1929	1-0-1	4106	36	2583	1-0-1
		T4	2233	18	1278	1-0-1	3065	26	1754	1-0-1	4106	36	1925	1-2-1
		T5	2231	18	768	1-2-1	3063	26	1054	2-2-1	4101	36	1412	2-2-1
24 LEDs	3000K	T1	3644	27	2922	2-2-2	4944	37	3965	2-2-2	6521	50	5230	3-2-3
		T2	3637	27	3043	1-0-1	4934	37	4128	1-0-1	6507	50	5445	2-0-2
		T3	3640	27	2290	1-0-1	4938	37	3107	1-0-1	6513	50	4097	1-0-1
		T4	3640	27	1706	1-2-1	4939	37	2315	1-2-1	6514	50	3053	1-2-1
		T5	3636	27	1251	2-2-1	4933	37	1698	3-2-1	6506	50	2239	3-2-1
	4000K	T1	3360	27	2694	2-2-2	4606	37	3697	2-2-2	6165	50	4944	3-2-3
		T2	3353	27	2805	1-0-1	4596	37	3846	1-0-1	6153	50	5148	2-0-2
		T3	3356	27	2111	1-0-1	4600	37	2894	1-0-1	6158	50	3874	1-0-1
		T4	3356	27	1573	1-2-1	4601	37	2156	1-2-1	6159	50	2887	1-2-1
		T5	3352	27	1154	2-2-1	4595	37	1581	2-2-1	6151	50	2117	3-2-1
32 LEDs	3000K	T1	4795	35	3845	2-2-2	6681	49	5358	3-2-3	8804	67	7061	3-3-3
		T2	4785	35	4004	1-0-1	6667	49	5578	2-0-2	8786	67	7351	2-0-2
		T3	4789	35	3013	1-0-1	6673	49	4198	2-0-2	8794	67	5532	2-0-2
		T4	4790	35	2245	1-2-1	6674	49	3128	1-2-1	8795	67	4122	2-2-2
		T5	4784	35	1646	3-2-1	6666	49	2294	3-2-1	8784	67	3023	3-2-2
	4000K	T1	4473	35	3588	2-2-2	6141	49	4925	3-2-3	8220	67	6593	3-2-3
		T2	4464	35	3735	1-0-1	6129	49	5128	2-0-2	8204	67	6864	2-0-2
		T3	4468	35	2811	1-0-1	6134	49	3859	1-0-1	8211	67	5166	2-0-2
		T4	4469	35	2095	1-2-1	6135	49	2875	1-2-1	8212	67	3849	2-2-2
		T5	4463	35	1536	2-2-1	6127	49	2109	3-2-1	8201	67	2823	3-2-1

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FEATURES & OPTIONS



DIMENSIONS



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ORDERING INFORMATION

MODEL	# OF LEDS	CCT	DRIVE CURRENT	DISTRIBUTION	LINE VOLTAGE	MOUNTING	DOME FINISH	DOME PATTERN	DOME FILM COLOR	SLEEVE FINISH	OPTIONS
FRA-T Tall Fragment Luminaire	16 16 LEDs	3 3000K	35 350 mA	T1 Type I	1 120-277v	SUS Suspended Mount	BLK Black	STD Standard Design	R Red (RAL 3020)	BLK Black	DIM 0-10v Dimming
FRA-S Short Fragment Luminaire	24 24 LEDs	4 4000K	50 500 mA	T2 Type II	3 347-480v	TP Post-Top Mount	BRZ Bronze	CUSTOM Custom Design¹	G Green (RAL 6018)	BRZ Bronze	LS Lens Shield (for Backlight Control)
	32 32 LEDs		70 700 mA	T3 Type III			SLV Silver		B Blue (RAL 5012)	SLV Silver	SP Surge Protector
				T4 Type IV			WHT White		N No Film	WHT White	BL-W White Dome Backlight Module
				T5 Type V			RAL # Custom RAL Color¹		RAL # Custom RAL Color¹	RAL # Custom RAL Color¹	BL-RGBW RGBW Dome Backlight Module

¹Consult factory for custom ordering information.
Factory assistance is available via phone at 1.720.370.0400 or via email at info@ragnigroupna.com.

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